

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	115	361/217	US-PGPUB; USPAT	OR	OFF	2006/01/18 12:54
S2	1923	S1 and (guide adj rail) and ground railcar	US-PGPUB; USPAT	OR	OFF	2005/12/22 15:06
S3	0	S1 and (guide adj rail) and (ground railcar)	US-PGPUB; USPAT	OR	OFF	2005/12/22 15:07
S4	4	S1 and (rail) and (ground)	US-PGPUB; USPAT	OR	OFF	2005/12/22 15:15
S5	11005	(rail)same(ground)	US-PGPUB; USPAT	OR	OFF	2005/12/22 15:16
S6	52	rail\$car ground detect\$3 sens\$3 monitor\$3 (rail or (metal adj guide))	US-PGPUB; USPAT	AND	OFF	2005/12/22 15:18
S7	29	("1706765"   "1754505"   "1764627"   "1872798"   "1933651"   "2089825"   "2108530"   "2396848"   "2417079"   "2838694"   "3317759"   "3981611"   "4216521"   "4231319"   "4287551"   "4293889").PN. OR ("4792703"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/22 15:56
S8	12	lohr-robert.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/22 16:07
S9	11005	rail same ground	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:45
S10	61	S9 same (current adj (detect detector detecting detection sensor sensing monitor monitoring))	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:44
S11	2838	pantograph	US-PGPUB; USPAT	OR	OFF	2005/12/23 08:30
S12	564	S11 and (rail (guide adj rail))	US-PGPUB; USPAT	OR	OFF	2005/12/23 08:31
S13	244	S12 and (detect\$5 monitor\$5 sense sensor)	US-PGPUB; USPAT	OR	OFF	2005/12/23 08:32
S14	516922	rail railway train subway trolley monorail	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/23 14:34
S15	857	S14 same (current adj (sensor sensing detect\$5))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/23 14:18
S16	83	S14 same (ground adj fault)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/23 14:31
S17	0	("2005/0082133").URPN.	USPAT	OR	OFF	2005/12/23 14:21

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S18	3	S15 same (ground adj fault)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/23 14:31
S19	42465	(rail railway train subway trolley monorail).ti.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/23 14:35
S20	115	361/217	US-PGPUB; USPAT	OR	OFF	2006/01/18 12:54
S21	115	361/217	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/01/18 12:54
S22	1	S21 and pantograph	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/01/18 12:55
S23	5107	electric (train or vehicle) grounding	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/01/18 12:55
S24	5	S23 and rail guide wheel contact current detector safety generator	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/01/18 12:56
S25	1	S23 and rail guid wheel detector generator	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/01/18 12:56
S26	2	S20 and (rail\$1car or trolley) ground\$3 and guide	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/01/18 12:56
S27	5	(rail\$1car or trolley) and ground\$3 and guide\$1rail	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/01/18 12:57
S28	328	(rail\$1car or trolley) and ground and guide and safety and electri\$2	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/01/18 12:57
S29	63	S28 and generator	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/01/18 12:57
S30	35	S29 and current (sens\$3 or detector)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/01/18 12:58

## EAST Search History

S31	40	("2589453"   "3673379"   "3914562"   "3938018"   "4007817"   "4031449"   "4158802"   "4218624"   "4218889"   "4236594"   "4254843"   "4331225"   "4347472"   "4350287"   "4484083"   "4495836"   "4583505"   "4588040"   "4629947"   "4742283"   "4800328"   "4836344"   "4893240"   "5000139"   "5049802"   "5055851"   "5113427"   "5129376"   "5198811"   "5207304"   "5223844"   "5244054"   "5293308"   "5299130"   "5311973"   "5669470"   "RE29994").PN. OR ("6421600").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/18 13:00
S32	2504346	electric car train grounding rail safety	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/18 13:00
S33	43	electric car train grounding rail safety	US-PGPUB; USPAT; USOCR	AND	OFF	2006/01/18 13:00
S34	19	electric car train grounding rail safety third generator	US-PGPUB; USPAT; USOCR	AND	OFF	2006/01/18 13:01
S35	15	electric car train grounding rail safety third generator loop	US-PGPUB; USPAT; USOCR	AND	OFF	2006/01/18 13:01
S36	2	electric car train grounding rail safety third generator loop tires	US-PGPUB; USPAT; USOCR	AND	OFF	2006/01/18 13:01
S37	0	"grounding in trains"	US-PGPUB; USPAT; USOCR	AND	OFF	2006/01/18 13:02
S38	7	electrical adj grounding in trains	US-PGPUB; USPAT; USOCR	AND	OFF	2006/01/18 13:02